

APPLICATION

PERCOLATION TESTING

A 511556

P _____

HOWARD COUNTY HEALTH DEPARTMENT
BUREAU OF ENVIRONMENTAL HEALTH
3525-H ELLICOTT MILLS DRIVE/ELLICOTT CITY, MARYLAND 21043
TELEPHONE: 313-2640

DISTRICT _____

DATE 5/3/99

TO: THE COUNTY HEALTH OFFICER
ELLICOTT CITY, MARYLAND

I HEREBY APPLY FOR THE NECESSARY TEST PRIOR TO APPLICATION FOR PERMIT TO CONSTRUCT (OR RECONSTRUCT) A SEWAGE DISPOSAL SYSTEM.

PROPERTY OWNER Mary D. Thaler

ADDRESS 13550 Triadelphia Mill Road PHONE 444-691-4740

AGENT OR PROSPECTIVE BUYER Gregory B. Phillips

ADDRESS 2815 Centre Park Drive, PHONE 410-740-2200
Columbia, MD 21045

PROPERTY LOCATION:

SUBDIVISION The Thaler Property LOT NO. 1

ROAD AND DESCRIPTION Highway Road to Triadelphia Mill Road

TAX MAP 28 PARCEL # 61

SIZE OF LOT approx 4.5 acres TYPE BLDG. Single Family Dwelling
(SINGLE FAMILY DWELLING OR COMMERCIAL)

THE SYSTEM INSTALLED UNDER THIS APPLICATION IS ACCEPTABLE ONLY UNTIL PUBLIC FACILITIES BECOME AVAILABLE. I FULLY UNDERSTAND THE FEE CONNECTED WITH THE FILING OF THIS PERC TEST APPLICATION IS NON-REFUNDABLE UNDER ANY CIRCUMSTANCES. I ALSO AGREE TO COMPLY WITH ALL M.O.S.H.A. REQUIREMENTS IN TESTING THIS LOT. Gregory B. Phillips
(SIGNATURE OF APPLICANT)

APPROVED BY _____ FOR _____ DATE _____

DISAPPROVED BY _____ FOR _____ DATE _____

HOLD PENDING FURTHER TESTS _____

REASONS FOR REJECTION OR HOLDING _____

PERCOLATION TEST PLAT/PRELIMINARY PLAT - TITLE OR I.D. # _____ DATE _____

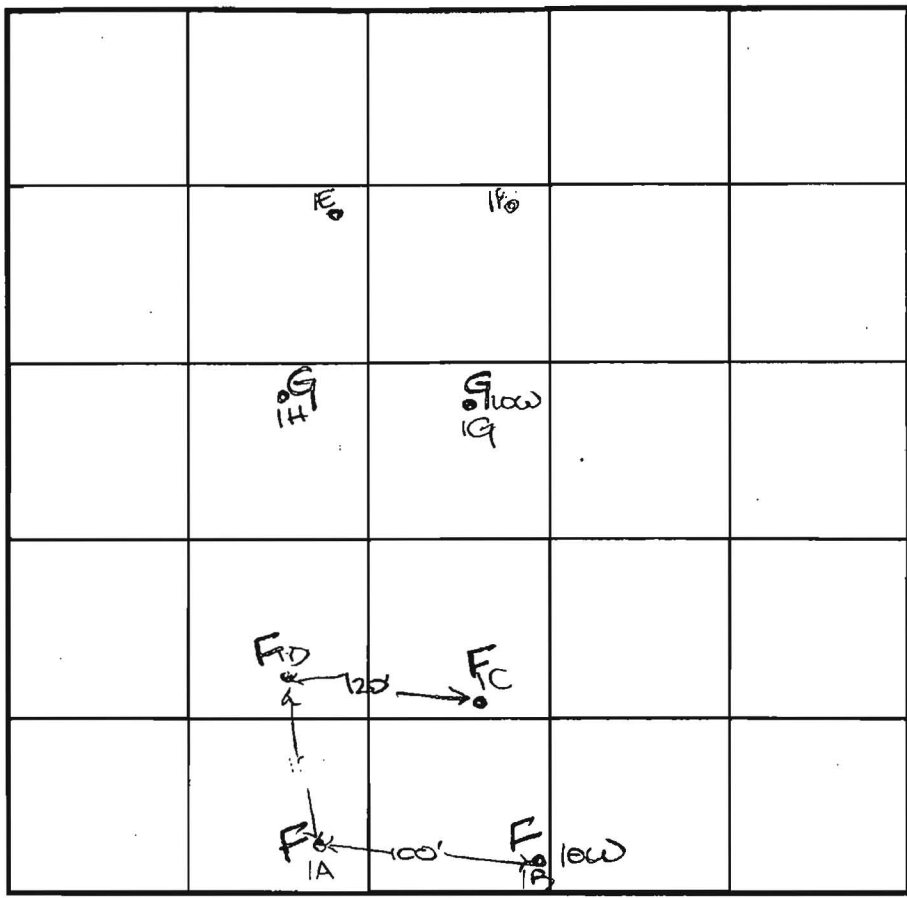
SITE DEVELOPMENT PLAN/FINAL PLAT - TITLE OR I.D. # _____ DATE _____

THIS IS NOT A PERMIT

COUNTY # _____
 SOIL PROFILE 1D/10
 0' topsoil
 1' org bn cl lm
 6' cover in org wh cl lm
 8.5' water

1C
 0' topsoil
 1' org bn cl lm
 to 2' d/bm
 to wh/org sl cl lm
 8' seepage
 9.5' water

1F
 0' topsoil
 1' red bn cl lm
 3' pale red bn
 10-15% 2ogr sh
 12' water



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

SOIL PROFILE 1H
 0' topsoil
 1' org red bn cl lm
 2' med org bn cl lm
 3' evidence of mottles
 4' IE
 5' topsoil
 6' red org bn cl lm
 7' pale red org tab sl lm
 8' 10% rock

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
6-30-99	1D	8.5'D	Water	-see	profile		FAIL
	1C	9.5'D	Water	-see	profile		FAIL
	1A	7'8"D	Water	-see	profile		FAIL
	1H	5.5'S	10:31 ₃	10:33	10:33	10:37	4
		11.0'D	Visual	-see	profile		FAIL
	1E	6.0'S	10:40	10:40 ₂	10:40 ₂	10:42	2 ✓
		14.0'D	Visual	-see	profile		OK
	1F	5.0'S	10:47	10:48	10:48	10:50	2 ✓
		12.0'D	Visual	-see	profile		OK
	1B	8.0'D	Water	-see	profile		FAIL

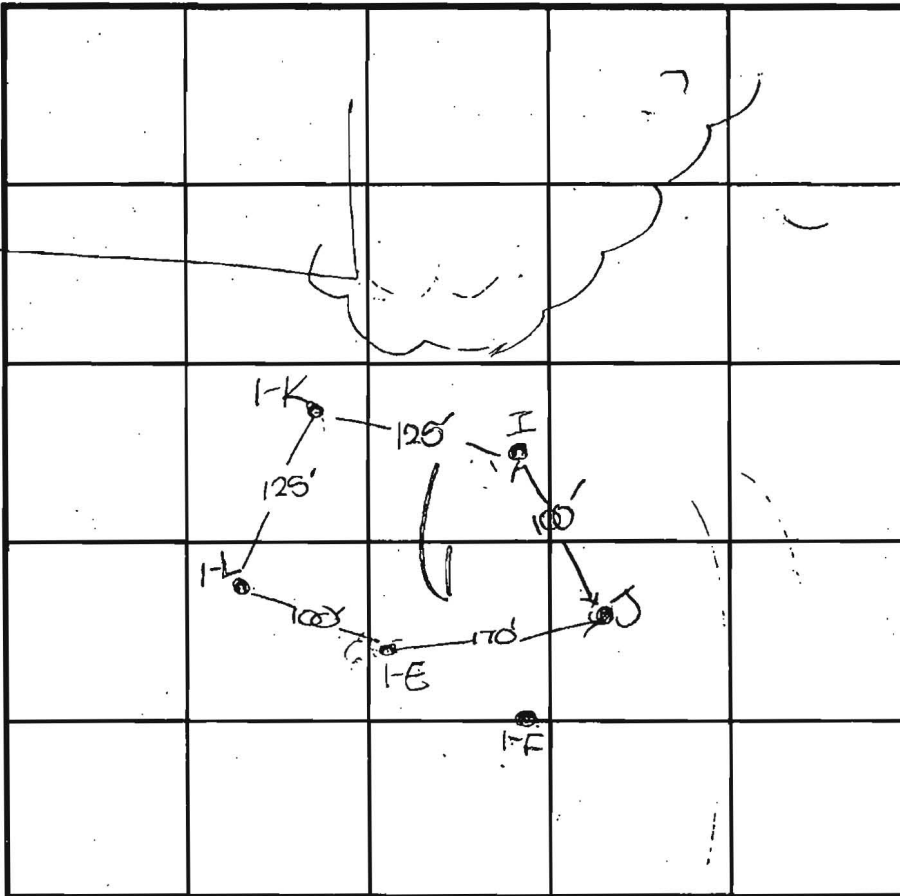
REMARKS _____
 TYPE OF SOIL _____
 TESTED BY D. See ALSO PRESENT Hartfield's
 TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____
 INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

COUNTY #

SOIL PROFILE

1-K/1-I

0' topsoil
 1' red org
 brn
 sil lm
 3' pale
 red org
 test
 sil lm
 w mica
 15%
 sapor
 sh
 13.5'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

0' 1-L
 1' topsoil
 red brn
 sil lm
 w mica
 15%
 sapor
 sh
 13'

0' 1-J
 1' topsoil
 red brn
 sil lm
 3' pale
 org brn
 sil lm
 w mica
 20%
 sapor
 sh
 12'

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-2-99	1-K	3.5'S	11:37	11:41	11:41	11:45	4
		13.5'D	Visual	-see	profile		OK
	1-L	3.5'S	11:48	11:49	11:49	11:52	3
		13.0'D	Visual	-see	profile		OK
	1-I	3.0'S	11:54	11:55	11:55	11:58	3
		13.5'D	Visual	-see	profile		OK
	1-J	3.5'S	11:59	12:03	12:03	12:08	5
		12.0'D	Visual	-see	profile		OK

REMARKS _____

TYPE OF SOIL _____

TESTED BY D. SDC ALSO PRESENT Todd@Hatfields

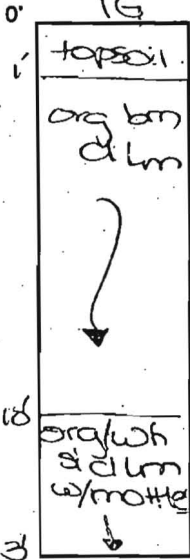
TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM _____

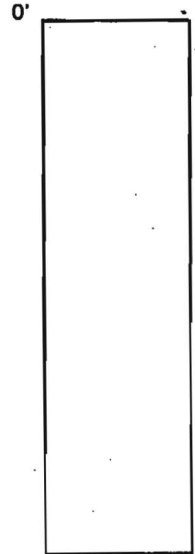
COUNTY #

SOIL PROFILE

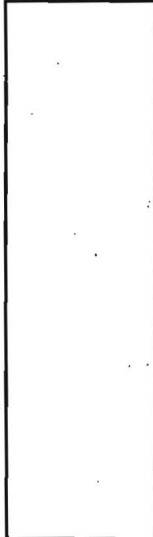
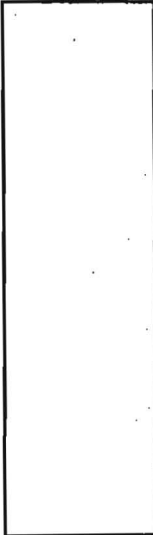
19



SOIL PROFILE



INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.



DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
7-1-99	19	13.0'D	Visual	- See profile			FAIL

REMARKS _____

TYPE OF SOIL _____

TESTED BY D. SOE ALSO PRESENT Hatfield's

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT/BEDROOM _____

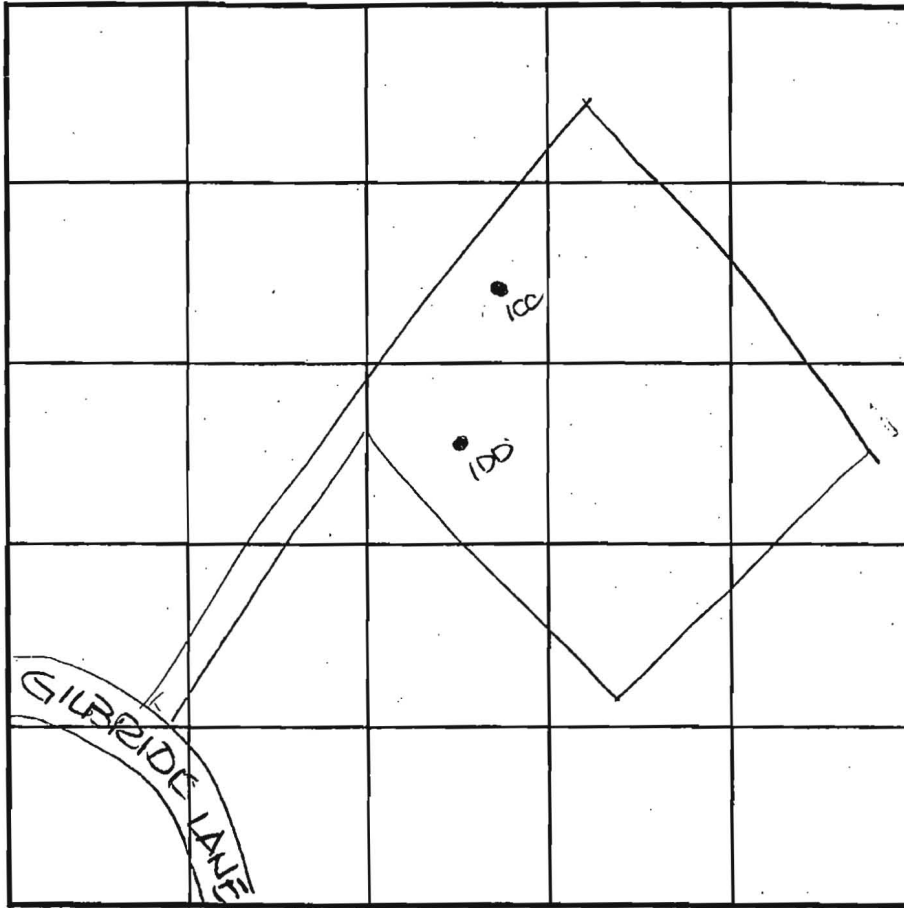
THALER - LOT 1

COUNTY #

SOIL PROFILE

0' 1" CC
 1' top soil
 red brn c1 m
 3.5' 4'
 pale org red brn s1 m 20% sapor sh
 9.5' evidence mottles
 13'

1DD
 0' top soil
 red org brn c1 m
 4' pale org red brn s1 m 15% sapor sh
 12'



SOIL PROFILE

0'

INDICATE NORTH - NAME ADJOINING ROADWAY AS BASE LINE.

DATE	TEST NO.	DEPTH	PRE-WET		TEST - 1" DROP		TIME
			START	STOP	START	STOP	
2-11-00	ICC	5.0'S	10:30	10:32	10:32	10:34	2
		13.0' D	Visual	- see	profile		FAIL
	1DD	4.5'S	10:38	10:40	10:40	10:43	3 ✓
		12.0' D	Visual	- see	profile		OK

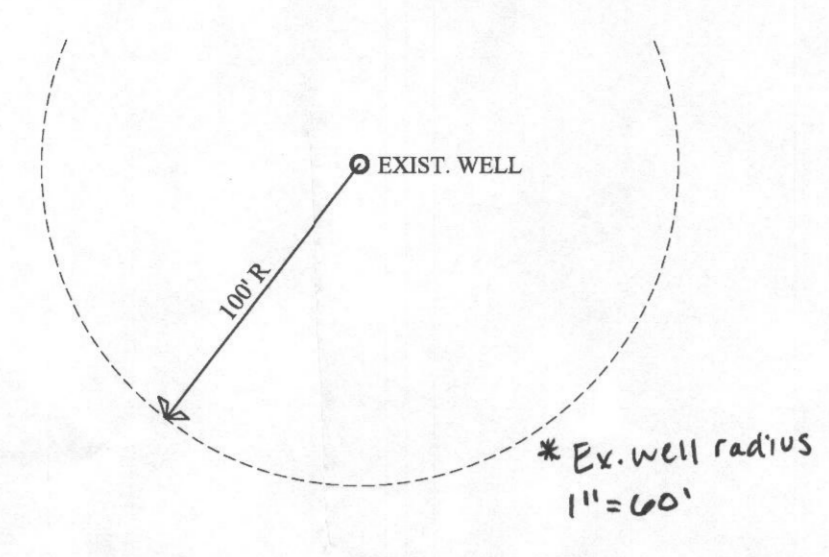
REMARKS holes tested as staked

TYPE OF SOIL _____

TESTED BY DLS ALSO PRESENT Hatfield's

TRENCH DESIGN DATA: AVERAGE PERCOLATION TIME _____ TRENCH WIDTH _____

INLET DEPTH _____ MAXIMUM BOTTOM DEPTH _____ SQ. FT./BEDROOM 1



LEGEND

- EXISTING SEPTIC TANK
- EXISTING PROPERTY LINE
- EXISTING BUILDING RESTRICTION LINE
- EXISTING TOPOGRAPHY LINE
- PROPOSED ONE STORY POOL HOUSE ADDITION
- EXISTING 10,000 S.F. SEPTIC EASEMENT
- EXISTING WELL
- PERC TEST HOLE LOCATION (PASSED)
- PERC TEST HOLE LOCATION (FAILED)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

Brunett for Peter Bilenman 10/20/2010
Health Officer, Howard County Health Dept. Date 10/20/10

NOTES

1. ALL WELLS AND SEPTIC SYSTEMS LOCATED WITHIN 100' OF THE PROPERTY BOUNDARIES AND 200' DOWN GRADIENT OF ANY WELLS AND/OR SEPTIC SYSTEMS HAVE BEEN SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF.
2. THE TOPOGRAPHY OF THIS PLAT IS TAKEN FROM THE APPROVED PRELIMINARY PLAN FROM APRIL 1988 PREPARED BY THE REIMER GROUP, LLC AND IS VERIFIED TO ACCURATELY REPRESENT THE RELATIVE CHANGES ON THE SUBJECT PROPERTY.
3. THE LOT SHOWN HEREON COMPLIES/COMPLY WITH THE MINIMUM OWNERSHIP WIDTH AND LOT AREA AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT
4. ANY CHANGES TO A PRIVATE SEWERAGE EASEMENT SHALL REQUIRE A REVISED PERCOLATION CERTIFICATION PLAN.
5. THIS AREA DESIGNATES A PRIVATE SEWERAGE DISPOSAL AREA OF AT LEAST 10,000 SQ. FT. AS REQUIRED BY THE MARYLAND DEPARTMENT OF ENVIRONMENT FOR INDIVIDUAL SEWERAGE DISPOSAL. IMPROVEMENTS OF ANY NATURE IN THIS AREA ARE RESTRICTED. THIS SEWERAGE DISPOSAL AREA SHALL BECOME NULL AND VOID UPON CONNECTION TO A PUBLIC SEWERAGE SYSTEM. THE COUNTY HEALTH OFFICER SHALL HAVE AUTHORITY TO GRANT ADJUSTMENTS TO THE PRIVATE SEWERAGE EASEMENT RECORDATION OF A REVISED SEWERAGE EASEMENT SHALL NOT BE NECESSARY.
6. I CERTIFY THAT THE INFORMATION SHOWN HEREON IS BASED ON FIELD WORK PERFORMED BY ME OR UNDER MY DIRECT SUPERVISION, AND IS CORRECT, TO THE BEST OF MY KNOWLEDGE AND BELIEF.
7. CONNECT INCOMING WATER FOR POOL HOUSE TO EXISTING WELL.
8. POOL HOUSE WASTE WATER TO BE PUMPED TO EXISTING SEWER LINE (PROVIDE NEW WATER PUMP).
9. CONNECT POOL HOUSE ELECTRIC (VIA UNDERGROUND CONDUIT) TO ELECTRIC OF EXISTING HOUSE.

PERC ELEVATIONS

1	542.21'	PERC TEST PASSED
2	542.35'	PERC TEST FAILED
3	542.12'	PERC TEST PASSED
4	550.43'	PERC TEST PASSED
5	534.60'	PERC TEST FAILED

ELEVATION OF HOUSE FIRST FLOOR = 531.5'

OWNER/PLAN DEVELOPER:
STEPHEN AND BONNIE BRUNETT
13510 BELLA NOTTE WAY
CLARKSVILLE, MD 21029
410-532-4939
HOWARD COUNTY MARYLAND
TAX MAP 28 PARCEL 61

PREPARED BY:
JONATHAN P. BUTTS
JB HOME DESIGN, LLC
9416 CONCORD COURT
BALTIMORE, MD 21234
410-599-9587

PERCOLATION CERTIFICATION PLAN

SCALE: 1"=30' DATE: MARCH 29, 2010



JB HOME DESIGN, LLC
9416 CONCORD COURT
BALTIMORE, MARYLAND 21234
OFFICE (410) 599-9587
FAX (410) 665-1084
EMAIL: JON@JBHOMEDSIGN.COM

Proudly designed

PERCOLATION CERTIFICATION PLAN

CONTENTS	DATE	PR. J.T.N.D.
SCALE: 1/4" = 10'		

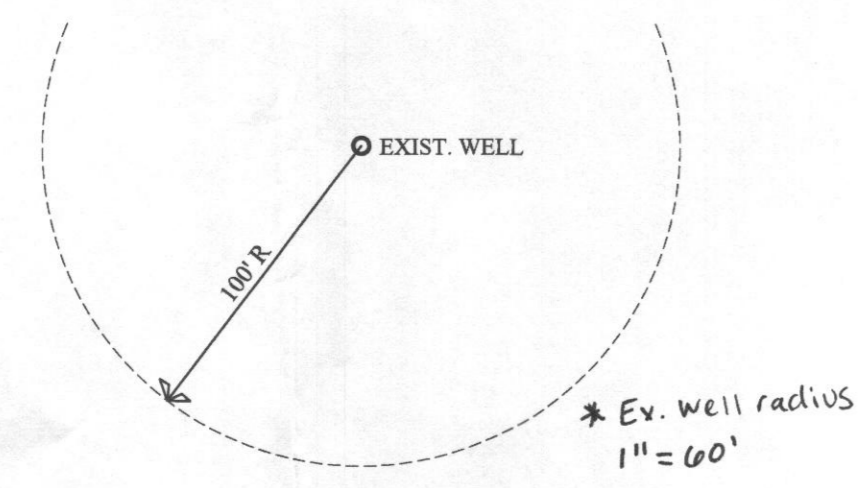
BRUNETT POOL HOUSE

PROJECT TITLE

ISSUE	DATE	BY

SHEET NO.

SP-1



LEGEND

- EXISTING SEPTIC TANK
- EXISTING PROPERTY LINE
- EXISTING BUILDING RESTRICTION LINE
- EXISTING TOPOGRAPHY LINE
- PROPOSED ONE STORY POOL HOUSE ADDITION
- EXISTING 10,000 S.F. SEPTIC EASEMENT
- EXISTING WELL
- PERC TEST HOLE LOCATION (PASSED)
- PERC TEST HOLE LOCATION (FAILED)

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS

Jonathan P. Butts 10/25/10
Health Officer, Howard County Health Dept. Date 11/20/10

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PREPARED BY:
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410-599-9587

PERCOLATION
CERTIFICATION PLAN

SCALE: 1"=30' DATE: MARCH 29, 2010

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FAX (410) 665-4064
EMAIL: JON@JBHOMEDSIGN.COM

Home Design

PERCOLATION CERTIFICATION PLAN

BRUNETT POOL HOUSE

PR. JT. NO. DRWN. DATE: 11/20/10

CONTENTS: 1/4" = 1/8" PROJECT TITLE: BRUNETT POOL HOUSE

ISSUE

SHEET NO. **SP-1**

